

## AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 2 and 4-10 and add new Claims 11-14 as follows.

### **LISTING OF CLAIMS**

1. (currently amended) A voice recognition system comprising:

a communication terminal that transmits a first voice signal through a communication network; and

a voice recognition server that recognizes the first voice signal received from the communication terminal,

wherein the communication terminal ~~adjusts~~ includes means for adjusting a sound characteristic of the communication network ~~[[for]]~~ prior to providing communication ~~between~~ from the communication terminal ~~[[and]]~~ to the voice recognition server.

2. (currently amended) The voice recognition system according to claim 1, wherein:

the voice recognition server transmits a second voice signal to the communication terminal,

the communication terminal produces a sound based on the second voice signal, receives the sound as a loop back voice signal, and transmits the loop back voice signal to the voice recognition server,

the voice recognition server receives and analyzes the loop back voice signal, and produces ~~[[an]]~~ adjustment data based on the analysis, the adjustment data represents ~~[[a]]~~ the sound characteristic of the communication network, and

the communication terminal adjusts the sound characteristic based on the adjustment data.

3. (original) The voice recognition system according to claim 2, wherein:

the second voice signal transmitted by the voice recognition server is a test pattern voice signal created by an electrical composition, and

the communication terminal adjusts the sound characteristic of the communication network based on the adjustment data produced by the test pattern voice signal.

4. (currently amended) The voice recognition system according to claim 2, wherein:

the second voice signal transmitted by the voice recognition server is a created voice signal that is created by a word of an operator of the voice recognition server, and

the communication terminal adjusts the sound characteristic of the communication network based on the adjustment data produced by the second voice signal.

5. (currently amended) A communication terminal used in a voice recognition system, for sending a first voice signal to a voice recognition server via a communication network, the voice recognition server recognizes the first voice signal received from the communication terminal, the communication terminal comprising:

[[an]] adjustment means for adjusting a sound characteristic of the communication network [[for]] prior to providing communication ~~between~~ from the communication terminal [[and]] to the voice recognition server.

6. (currently amended) The communication terminal according to claim 5, further comprising:

[[a]] voice signal receiving means for receiving a second voice signal from the voice recognition server;

[[a]] sound producing means for producing a test sound based on the second voice signal;

[[a]] sound receiving means for receiving the test sound and for producing a loop back voice signal based on the received test sound;

[[a]] voice signal transmitting means for transmitting the loop back voice signal to the voice recognition server;

[[an]] adjustment data receiving means for receiving [[an]] adjustment data from the voice recognition server, the adjustment data is produced by the analyzing the loop back voice signal and represents [[a]] the sound characteristic of the communication network; and

[[an]] adjustment means for adjusting the sound characteristic of the communication network based on the adjustment data received from the voice recognition server by the adjustment data receiving means.

7. (currently amended) A voice recognition server used in a voice recognition system having a communication terminal which sends a first voice signal via a communication network, for recognizing the first voice signal received from the communication terminal, comprising:

[[a]] voice signal transmitting means for transmitting a second voice signal to the communication terminal;

[[a]] loop back signal receiving means for receiving a loop back voice signal that is the second voice signal produced and received by the communication terminal;

[[an]] adjustment data producing means for producing [[an]] adjustment data [[of]] which represents a sound characteristic of the communication network, the adjustment data is produced by analyzing the loop back voice signal received from the communication terminal; and

[[an]] adjustment data transmitting means for transmitting the adjustment data produced by the adjustment data producing means to the communication terminal.

8. (currently amended) A computer-readable memory medium comprising a computer program that is run by a communication terminal used in a voice recognition system, for sending first a voice signal to a voice recognition server via a communication network, the voice recognition server recognizes the first voice signal received from the communication terminal, to carry out:

a process of receiving a second voice signal from the voice recognition server;

a process of producing a test sound based on the second voice signal received from the voice recognition server;

a process of receiving the test sound and producing a loop back voice signal based on the received test sound;

a process of transmitting the loop back voice signal to the voice recognition server;

a process of receiving [[an]] adjustment data from the voice recognition server, the adjustment data is produced by analyzing the loop back voice signal and represents a sound characteristic of the communication network; and

a process of adjusting the sound characteristic of the communication network base on the adjustment data received from the voice recognition server.

9. (currently amended) A computer-readable memory medium comprising a computer program which is run by a voice recognition server used in a voice recognition system, for recognizing a first voice signal received from a communication terminal via a communication network, the communication terminal sends the first voice signal to the voice recognition server, to carry out:

a process of transmitting a second voice signal to the communication terminal;

a process of receiving a loop back voice signal that is the second voice signal produced and received by the communication terminal,

a process of producing [[an]] adjustment data of a sound characteristic of the communication network, the adjustment data is produced by analyzing the loop back voice signal received from the communication terminal; and

a process of transmitting the adjustment data to the communication terminal.

10. (currently amended) In a voice recognition system having a communication terminal and a voice recognition server, a method for recognizing a voice signal comprising:

determining adjustment data that represents a sound characteristic of a communication channel between the communication terminal and the voice recognition server;

at the communication terminal, determining [[a]] an appropriate sound characteristic of the communication channel between the communication terminal and the voice recognition server using the adjustment data;

at the communication terminal, adjusting a received voice signal based on the ~~determined~~ appropriate sound characteristic;

at the communication terminal, sending the adjusted voice signal to the voice recognition server through the communication network; and

at the voice recognition server, recognizing the voice signal received from the communication terminal.

11. (new) A voice recognition system comprising:

a communication terminal that transmits a voice signal through a communication network; and

a voice recognition server that recognizes the voice signal received from the communication terminal, wherein

the communication terminal transmits a sound characteristic that is peculiar to the communication terminal to the voice recognition server,

the recognition server stores the sound characteristic received from the communication terminal,

the voice recognition server transmits the voice signal to the communication terminal,

the communication terminal outputs the voice signal under a condition where a function of an echo canceller is deactivated and transmits the received voice signal as a loop back voice signal to the voice recognition server,

the voice recognition server analyzes the loop back voice signal with the stored sound characteristic peculiar to the communication terminal,

the voice recognition server produces adjustment data representing the sound characteristic of the communication network between the communication terminal and the voice recognition server, and transmits the adjustment data to the communication terminal, and

the communication terminal corrects the sound characteristic of the communication network between the communication terminal and the voice recognition server based on the adjustment data received from the voice recognition server.

12. (new) A voice recognition system according to claim 11, wherein

the voice recognition server transmits a test pattern voice signal created by an electrical composition to the communication terminal, and

the communication terminal corrects the sound characteristic of the communication network between the communication terminal and the voice recognition server based on the adjustment data which is generated based on the test pattern voice signal.

13. (new) A voice recognition system according to claim 11, wherein

the voice recognition server transmits a created voice signal created by an operator to the communication terminal, and

the communication terminal corrects the sound characteristic of the communication network between the communication terminal and the voice recognition server based on the adjustment data which is generated based on the created voice signal of the operator.

14. (new) A communication terminal for a voice recognition system including a voice recognition server, the voice recognition server storing a sound characteristic that is peculiar to the communication terminal, the voice recognition server analyzing a loop back voice received from the communication terminal with the stored sound characteristic, the voice recognition server generating adjustment data representing the



sound characteristic of a communication network between the communication terminal and the voice recognition server,

the communication terminal characterized in that the communication terminal transmits a voice signal to the voice recognition server through the communication network, transmits the sound characteristic to the voice recognition server, outputs the voice signal under a condition where a function of an echo canceller is deactivated, transmits the received voice signal as a loop back voice signal to the voice recognition server, and corrects the sound characteristic of the communication network based on the adjustment data received from the voice recognition server.